



PTO/SB/01 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☒ Declaration Submitted with Initial Filing      OR      ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number 06367 USA

First Named Inventor Wayne Robert Furlan, et al.

**COMPLETE IF KNOWN**

Application Number

Filing Date

Group Art Unit

Examiner Name

**As a below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**SILICONE SURFACTANTS FOR RIGID POLYURETHANE FOAM MADE WITH HYDROCARBON  
BLOWING AGENTS**

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input checked="" type="checkbox"/> Customer Number or Bar Code Label		23543		OR <input type="checkbox"/> Correspondence address below	
Name					
Address					
Address					
City		State		ZIP	
Country		Telephone		Fax	
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>					
NAME OF SOLE OR FIRST INVENTOR :			<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any]) Wayne Robert			Family Name or Surname Furlan		
Inventor's Signature <i>Wayne Robert Furlan</i>			Date <i>March 3, 2004</i>		
Residence: City Hellertown		PA State	USA Country	USA Citizenship	
Mailing Address 2768 Wassergass Road					
Mailing Address					
City Hellertown		PA State		ZIP 18055	USA Country
NAME OF SECOND INVENTOR:			<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any]) Mark Leo			Family Name or Surname Listemann		
Inventor's Signature <i>Mark Leo Listemann</i>			Date <i>03 March 2004</i>		
Residence: City Kutztown		PA State	USA Country	USA Citizenship	
Mailing Address 128 Kohlers Hill Road					
Mailing Address					
City Kutztown		PA State		ZIP 19530	USA Country
<input checked="" type="checkbox"/> Additional inventors are being named on the <u>1</u> supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.					



Please type a plus sign (+) inside this box → ☐

PTO/SB/02A (11-00)  
Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet</b> Page <u>1</u> of <u>1</u>
--------------------	---

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Joan		Sudbury-Holtschlag	
Inventor's Signature <i>X. Joan Sudbury-Holtschlag</i>		Date <i>2/16/04</i>	
Residence: City Auburn	MI State	USA Country	USA Citizenship
Mailing Address 1721 W. North Union Road			
Mailing Address			
City Auburn	MI State	ZIP 48611	USA Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Thomas John		Markley	
Inventor's Signature <i>Thomas John Markley</i>		Date <i>March 3, 2004</i>	
Residence: City Blandon	PA State	USA Country	USA Citizenship
Mailing Address 428 Eagle Dr.			
Mailing Address			
City Blandon	PA State	ZIP 19510	USA Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Gary Dale		Andrew	
Inventor's Signature <i>Gary Dale Andrew</i>		Date <i>March 3, 2004</i>	
Residence: City Walnutport	PA State	USA Country	USA Citizenship
Mailing Address 904 Lincoln Avenue			
Mailing Address			
City Walnutport	PA State	ZIP 18088	USA Country

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/81 (06-03)

Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	10/736,042
Filing Date	15 December 2003
First Named Inventor	Wayne Robert Furlan, et al.
Title	Silicone Surfactants for Rigid...
Art Unit	1711
Examiner Name	
Attorney Docket Number	06367 USA

I hereby appoint:



Practitioners at Customer Number:

23543

OR



Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:



The above-mentioned Customer Number:

OR



The address associated with Customer Number:

OR

Firm or  
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:



Applicant/Inventor.



Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

Name

Mark L. Rodgers

Signature

Date

5 April 2004

Telephone

610-481-8817

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/96 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Wayne Robert Furlan, et al.Application No./Patent No.: 10/736,042 Filed/Issue Date: 15 December 2003Entitled: Silicone Surfactants for Rigid Polyurethane Foam Made with Hydrocarbon Blowing AgentsAir Products and Chemicals, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

5 April 2004

Date

610-481-8817

Telephone number

Mark L. Rodgers

Typed or printed name

  
SignatureAssistant General Counsel, Patents

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**ASSIGNMENT**

For value received, we, Wayne Robert Furlan, Mark Leo Listemann, Thomas John Markley, and Gary Dale Andrew, hereby sell, assign, and transfer to **AIR PRODUCTS AND CHEMICALS, INC.**, a corporation of the State of Delaware, having an office at 7201 Hamilton Boulevard, Allentown, PA 18195-1501, the entire right, title, and interest in and to the invention relating to

**SILICONE SURFACTANTS FOR RIGID POLYURETHANE FOAM MADE WITH  
HYDROCARBO BLOWING AGENTS**

described in our application for Letters Patent of the United States (identified by Docket No. 06367 USA) executed of even date herewith, in and to all Letters Patent which may be issued upon said application, in and to any divisional or reissue applications based thereon, and in and to all Letters Patent upon said invention or improvements which may be granted in foreign countries. We hereby also assign and convey to said **AIR PRODUCTS AND CHEMICALS, INC.**, all the rights accruing to us by virtue of the International Convention for the Protection of Industrial Property (Art. 4), including the right to apply for and to have patents issued in its own name.

And we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and the Officials of the Patent Offices of all other countries to issue the Letters Patent of their respective countries to said **AIR PRODUCTS AND CHEMICALS, INC.**, as assignee of the entire right, title, and interest in and to the same.

And we hereby promise and agree to execute all papers and perform all acts necessary to secure to and vest in said **AIR PRODUCTS AND CHEMICALS, INC.**, its successors and assigns, the rights conveyed as herein set forth.

Wayne Robert Furlan (L.S.)  
Wayne Robert Furlan

March 3, 2004  
Date

Mark Leo Listemann (L.S.)  
Mark Leo Listemann

03 March 2004  
Date

Thomas John Markley (L.S.)  
Thomas John Markley

March 3, 2004  
Date

Gary Dale Andrew (L.S.)  
Gary Dale Andrew

MARCH 03 2004  
Date

## ASSIGNMENT

WHEREAS, we, Dow Corning Corporation, a corporation organized and existing under the Laws of the State of Michigan, having its principal place of business at P.O. Box 994, Midland, Michigan, are in possession of an invention relating to **"SILICONE SURFACTANTS FOR RIGID POLYURETHANE FOAM MADE WITH HYDROCARBON BLOWING AGENTS"**, so far as it was invented by Joan Holtschlag, a citizen of the United States of America, residing at 1721 W. North Union Road, Auburn, MI 48611, for which an application for Letters Patent having an Application Serial No. 10/736,042 was filed on **15 December 2003**, and

WHEREAS, Air Products and Chemicals, Inc., a corporation organized and existing under the Laws of the State of Delaware, having its principal place of business at 7201 Hamilton Boulevard, Allentown, Pennsylvania 18195-1501, is desirous of acquiring the said invention and said application and any and all Letters Patent that may be obtained therefor or thereupon, and all reissues and extensions thereof;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration in hand, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Air Products and Chemicals, Inc., its successors, and assigns, the full and exclusive right, title and interest in and to the said invention and said application for Letters Patent of the United States therefore, and in and to any Divisions and Continuations thereof and in and to any and all United States Letters Patent and reissues and extensions thereof that may be issued for the said invention, to have and to hold for its own use and behoof and the use and behoof of its successors and assigns as fully and entirely as the same might be enjoyed by us if this sale and assignment had not been made; and

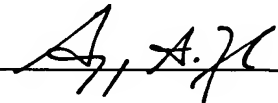
HEREBY AUTHORIZE and request the Commissioner of Patents and Trademarks to issue the said Letters Patent and any reissues and extensions thereof to Air Products and Chemicals, Inc., as assigns of the entire right, title and interest in and to the said invention and said application and Letters Patent issued therefore or thereupon; and

HEREBY AGREE to execute all instruments and documents within our power which may be necessary for the carrying out of this assignment in full; and to execute any divisional or continuing application or applications which may be necessary or proper to obtain full protection on the invention hereby assigned; and to execute any and all supplemental oaths and preliminary statements should the same be proper and necessary in the prosecution of the aforesaid applications; and

HEREBY FURTHER ASSIGN UNTO Air Products and Chemicals, Inc., its successors, and assigns, the whole right, title and interest in and to the invention disclosed in the said application throughout all countries foreign to the United States, and do hereby ratify any acts of Air Products and Chemicals, Inc., its successors and assigns, in applying for patents therefore in its own name in

countries where such procedure is proper and do agree to execute applications for said invention in the several countries where it is necessary that the same be executed by the inventors, and to execute assignments of such applications and the patents to be obtained therefore to Air Products and Chemicals, Inc., its successors and assigns.

**DOW CORNING CORPORATION**

By:  *pms*

Title: CTO

Date: 19 February 2004

**AIR PRODUCTS AND CHEMICALS, INC.**

By:  *WZ*  
Vice President and  
Chief Technology Officer

Title: \_\_\_\_\_

Date: 3/8/04



**ASSIGNMENT**

For value received, I, Joan Sudbury-Holtschlag, hereby sell, assign, and transfer to **DOW CORNING CORPORATION**, a corporation organized and existing under the Laws of the State of Michigan, having its principal place of business at P.O. Box 994, Midland, Michigan, the entire right, title, and interest in and to the invention relating to

**SILICONE SURFACTANTAS FOR RIGID POLYURETHANE FOAM MADE WITH  
HYDROCARBON BLOWING AGENTS**

described in my application for Letters Patent of the United States (identified by Docket No. 06367 USA) executed of even date herewith, in and to all Letters Patent which may be issued upon said application, in and to any divisional or reissue applications based thereon, and in and to all Letters Patent upon said invention or improvements which may be granted in foreign countries. I hereby also assign and convey to said **DOW CORNING CORPORATION**, all the rights accruing to me by virtue of the International Convention for the Protection of Industrial Property (Art. 4), including the right to apply for and to have patents issued in its own name.

And I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and the Officials of the Patent Offices of all other countries to issue the Letters Patent of their respective countries to said **DOW CORNING CORPORATION**, as assignee of the entire right, title, and interest in and to the same.

And I hereby promise and agree to execute all papers and perform all acts necessary to secure to and vest in said **DOW CORNING CORPORATION**, its successors and assigns, the rights conveyed as herein set forth.

X Joan Sudbury-Holtschlag (s.)  
Joan Sudbury-Holtschlag

X 2/16/04  
Date